Figure 1

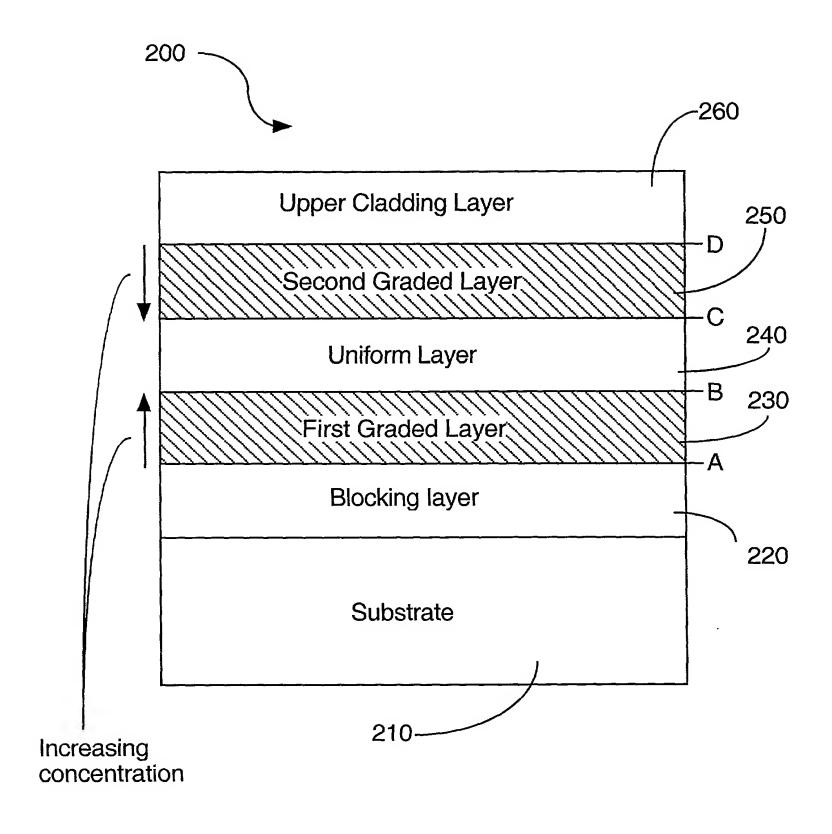
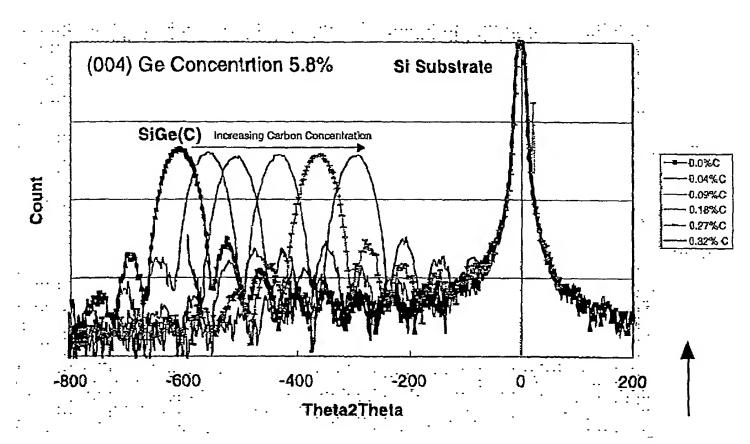


Figure 2A

## X-Ray Photoelctron Deffraction Graph of a Si Substrate and SiGeC Layers with Different C Concentrations



Approximate concentrations of substitutional carbon atoms

## Figure 2B

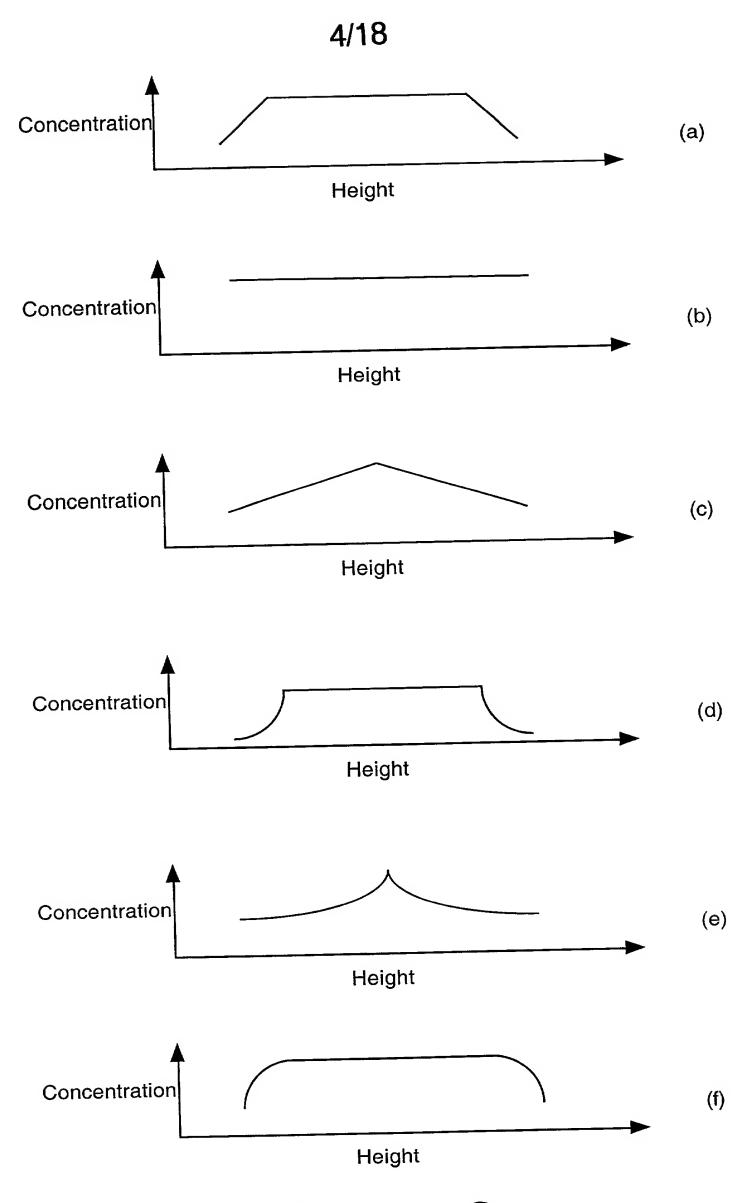


Figure 3

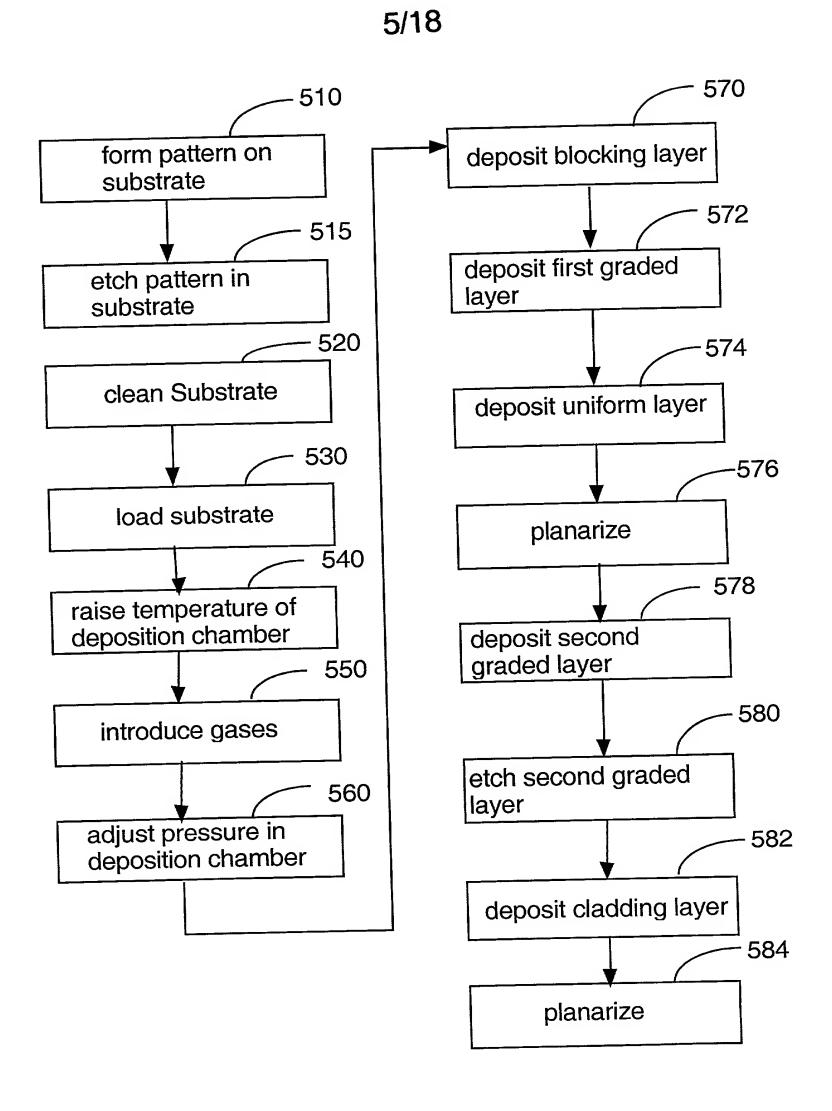
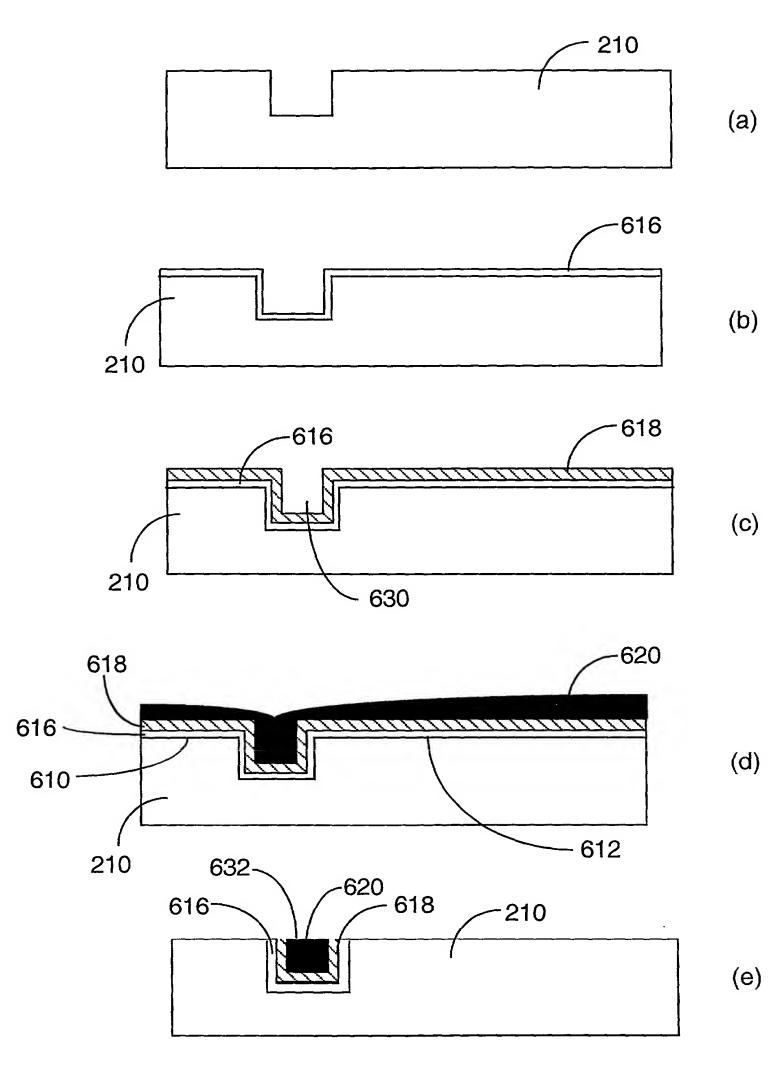


Figure 4



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Figure 5

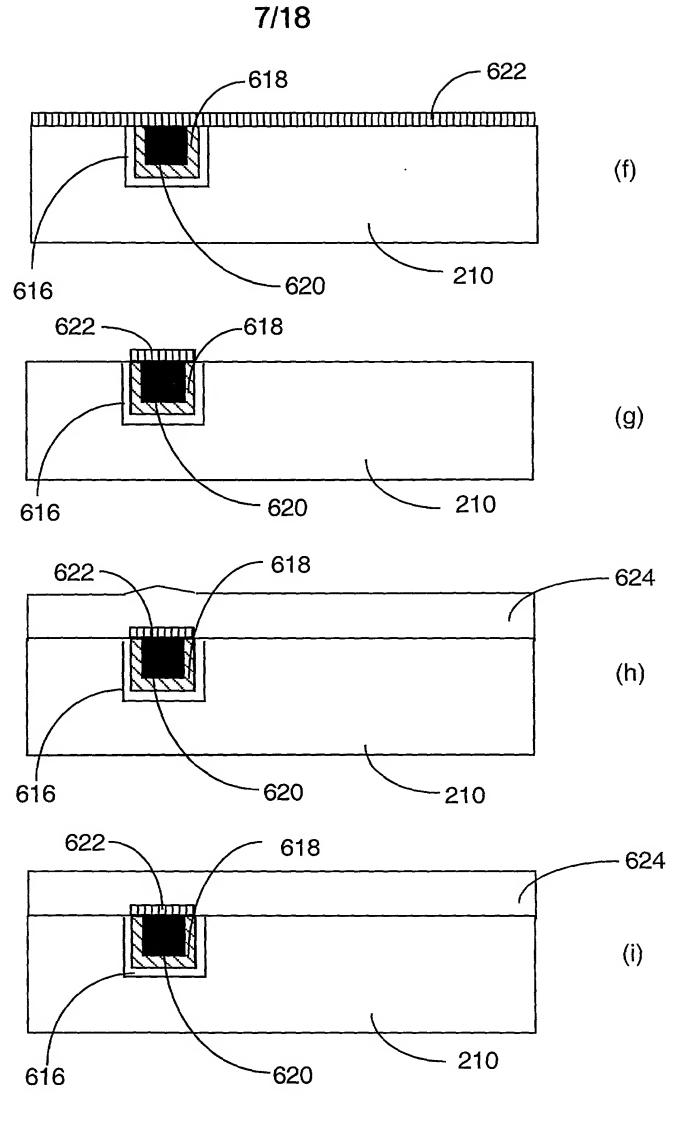
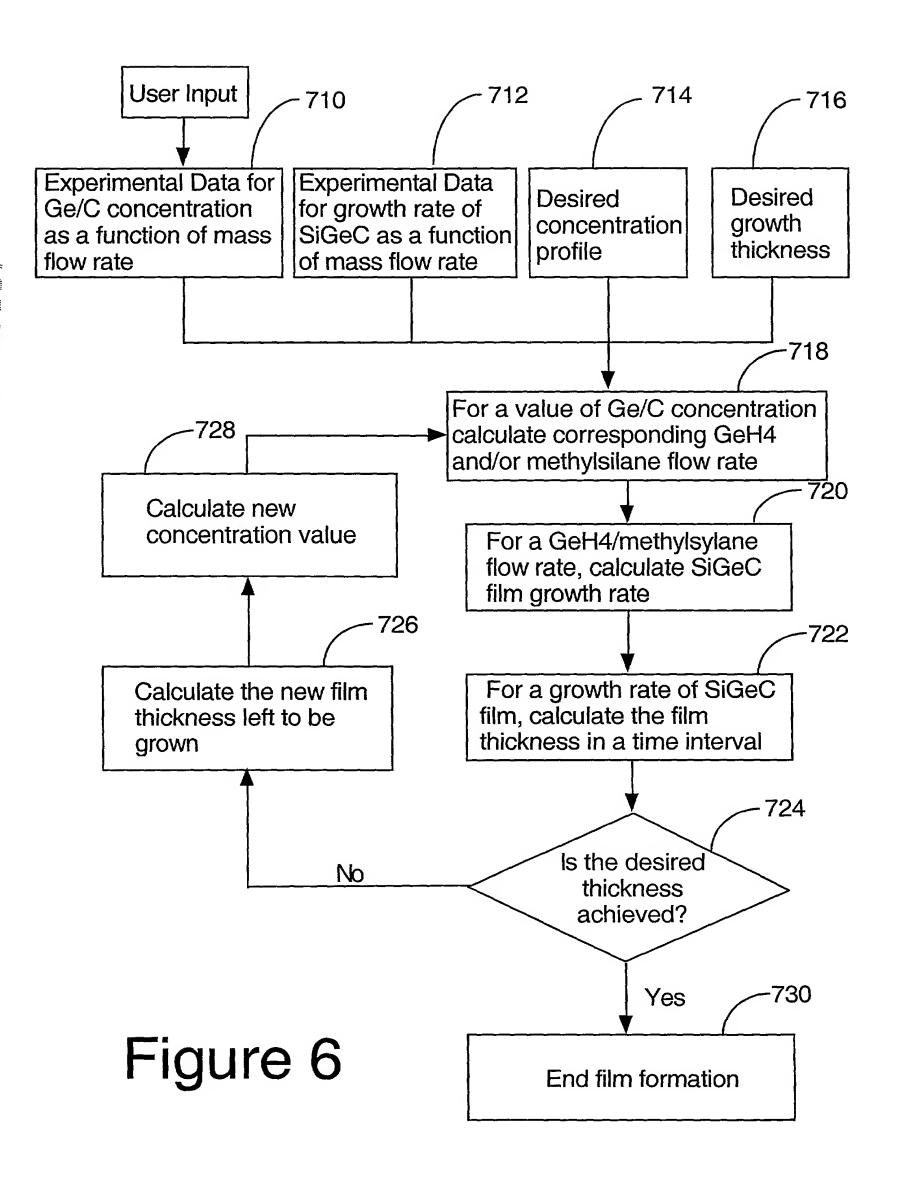
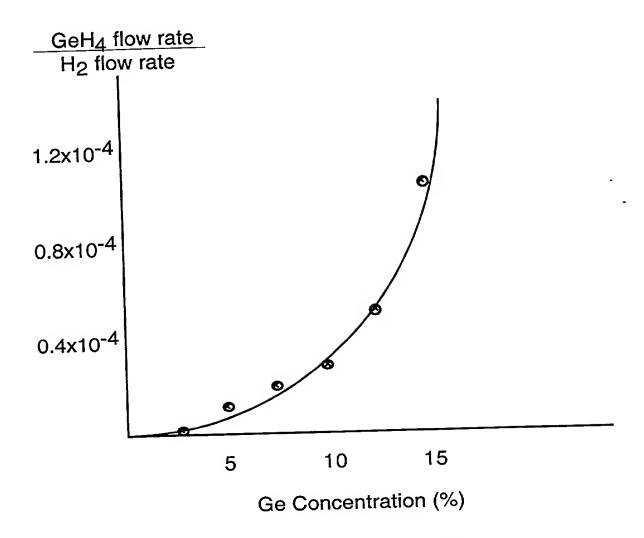


Figure 5





## Figure 7A

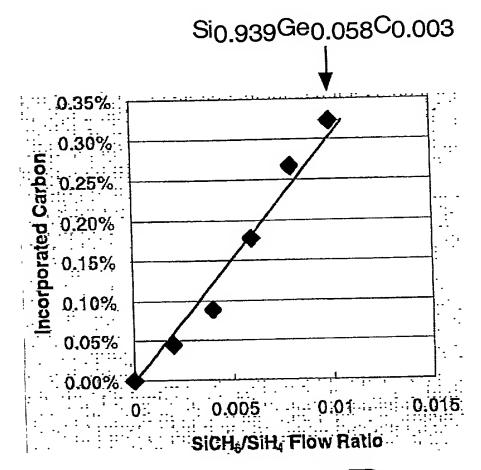


Figure 7B

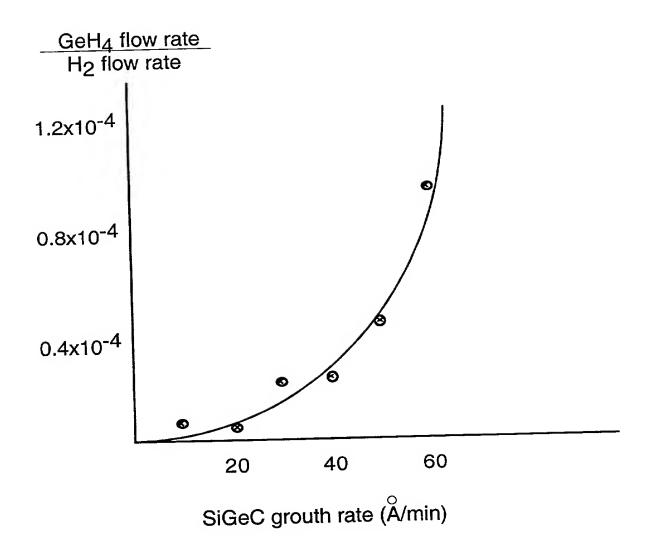
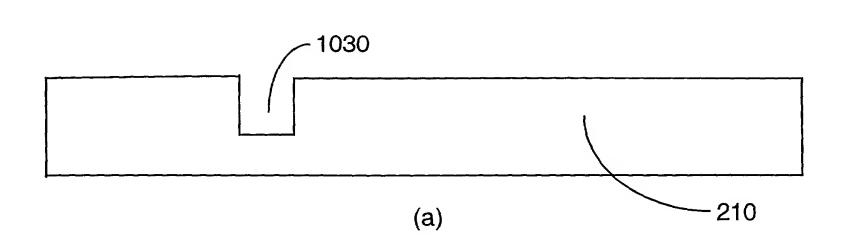
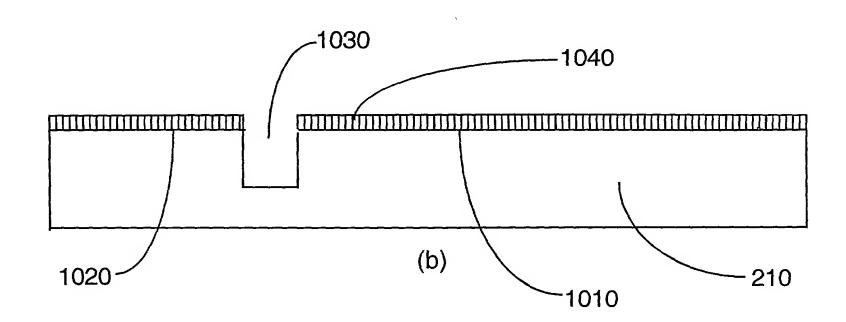


Figure 8



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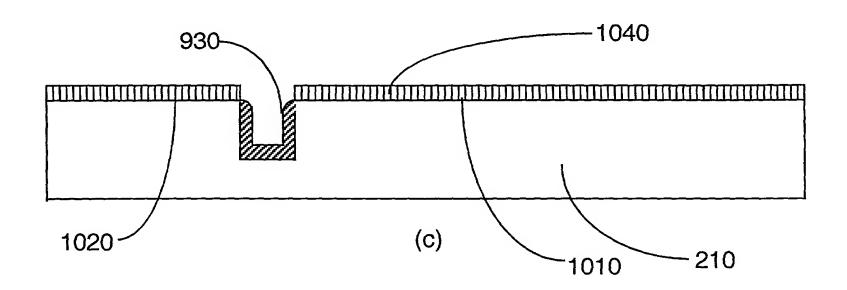


Figure 9

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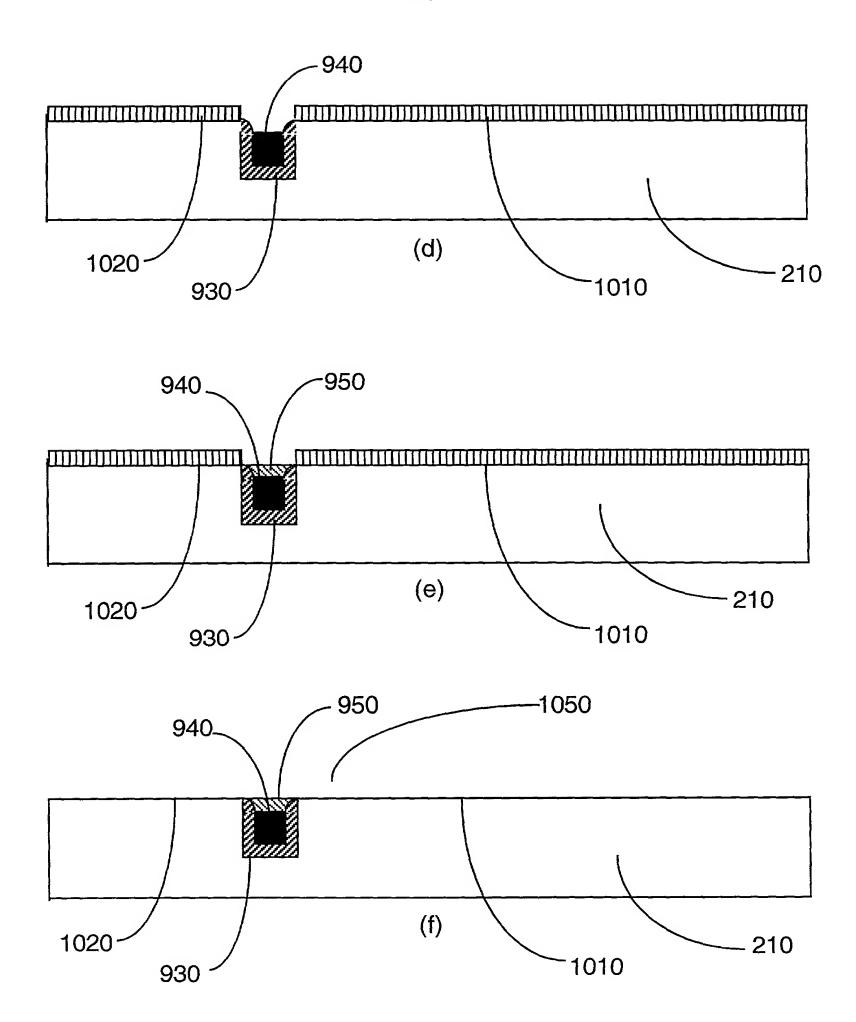


Figure 9

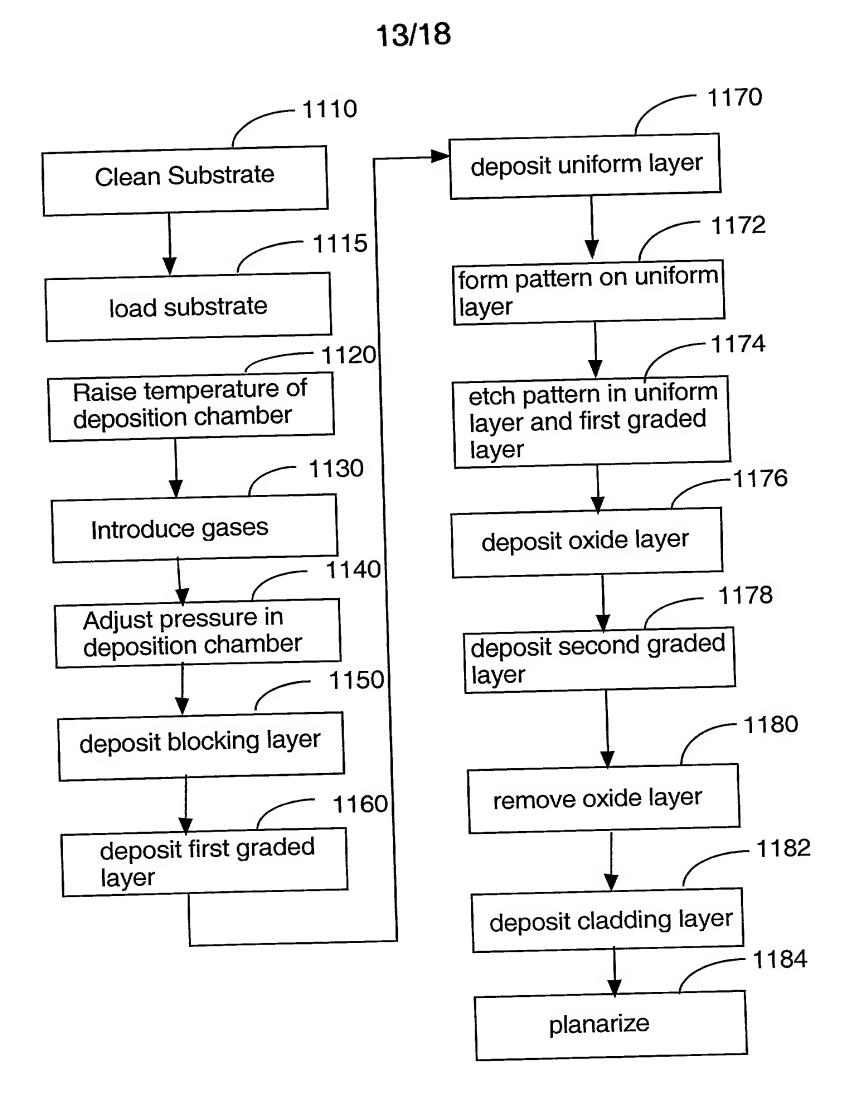
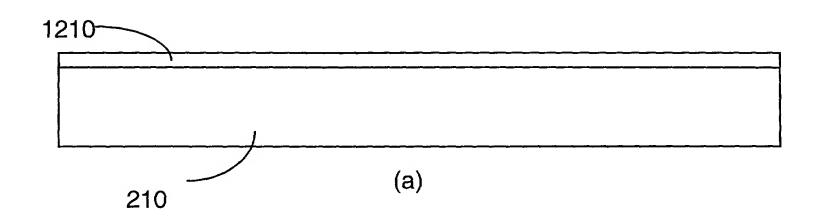
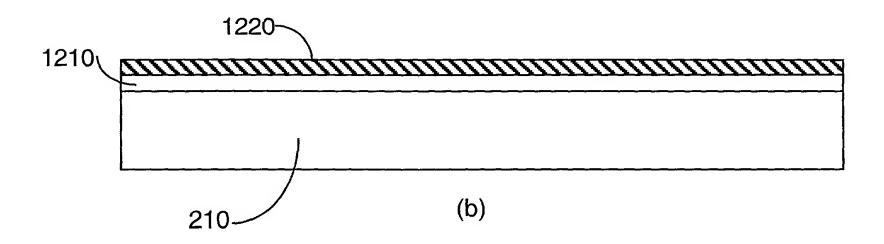
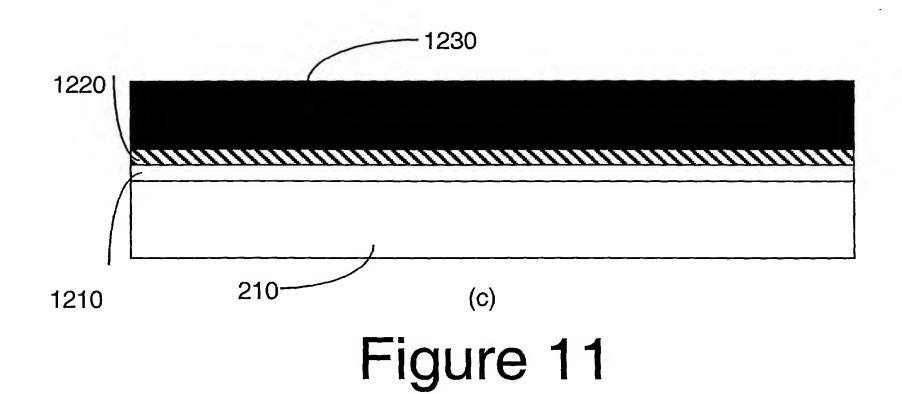


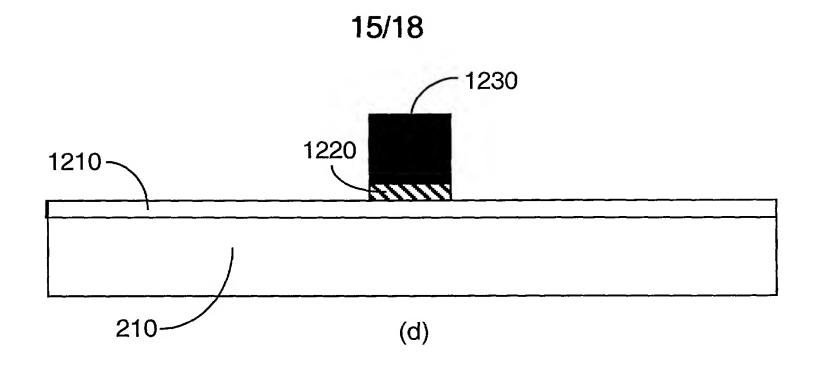
Figure 10

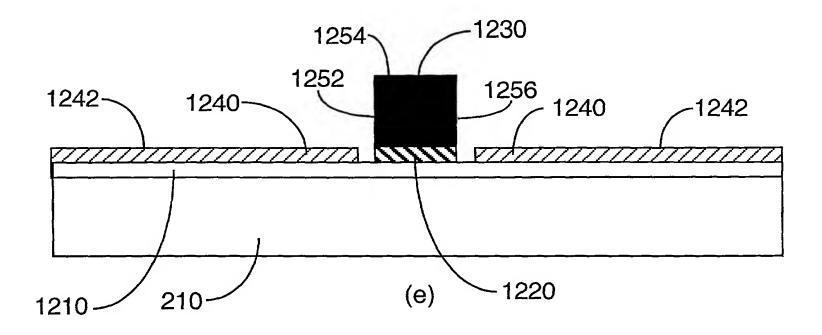












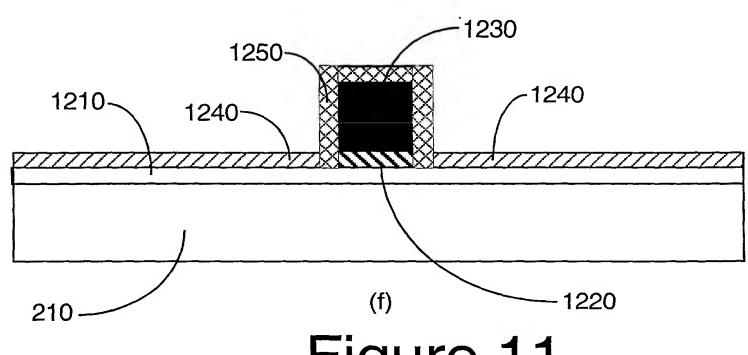
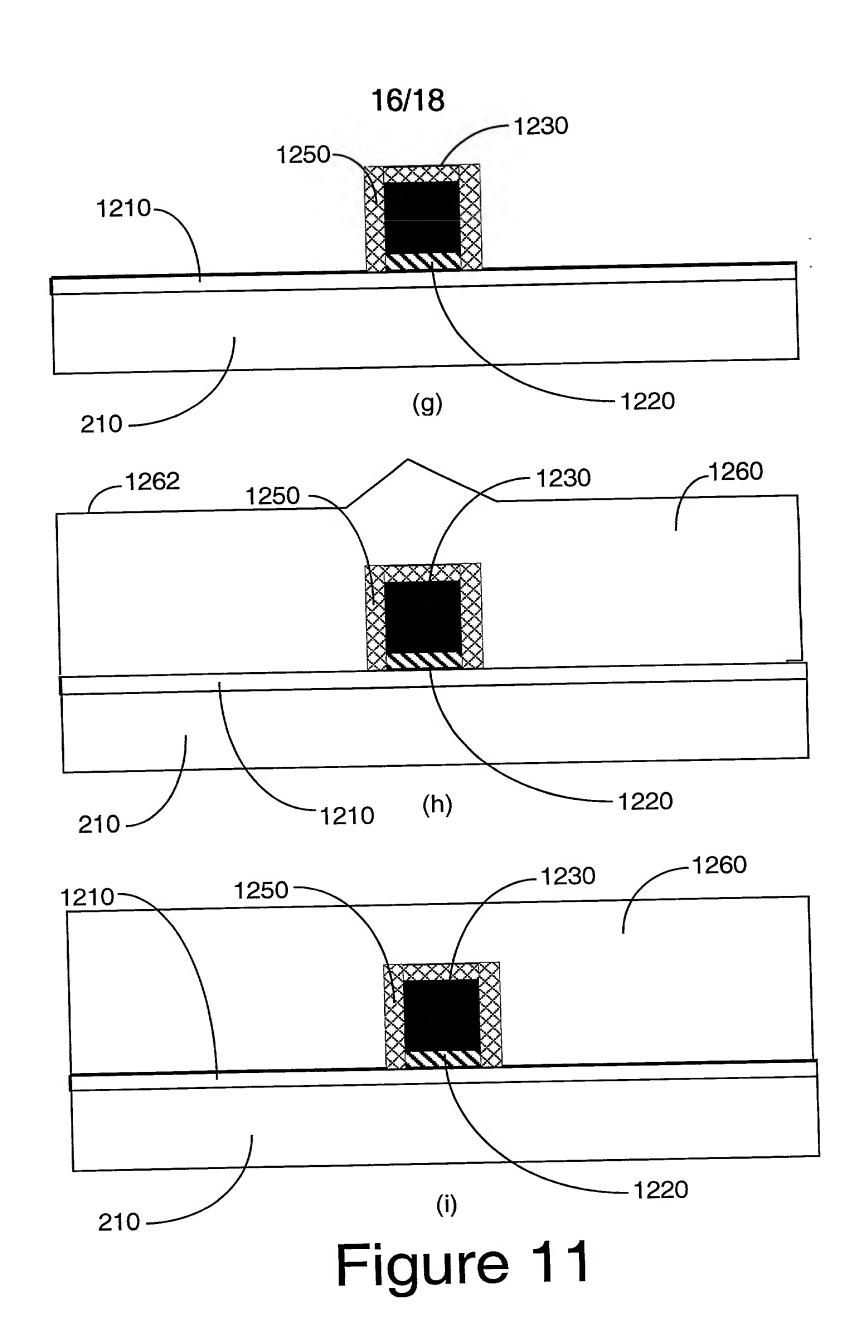


Figure 11



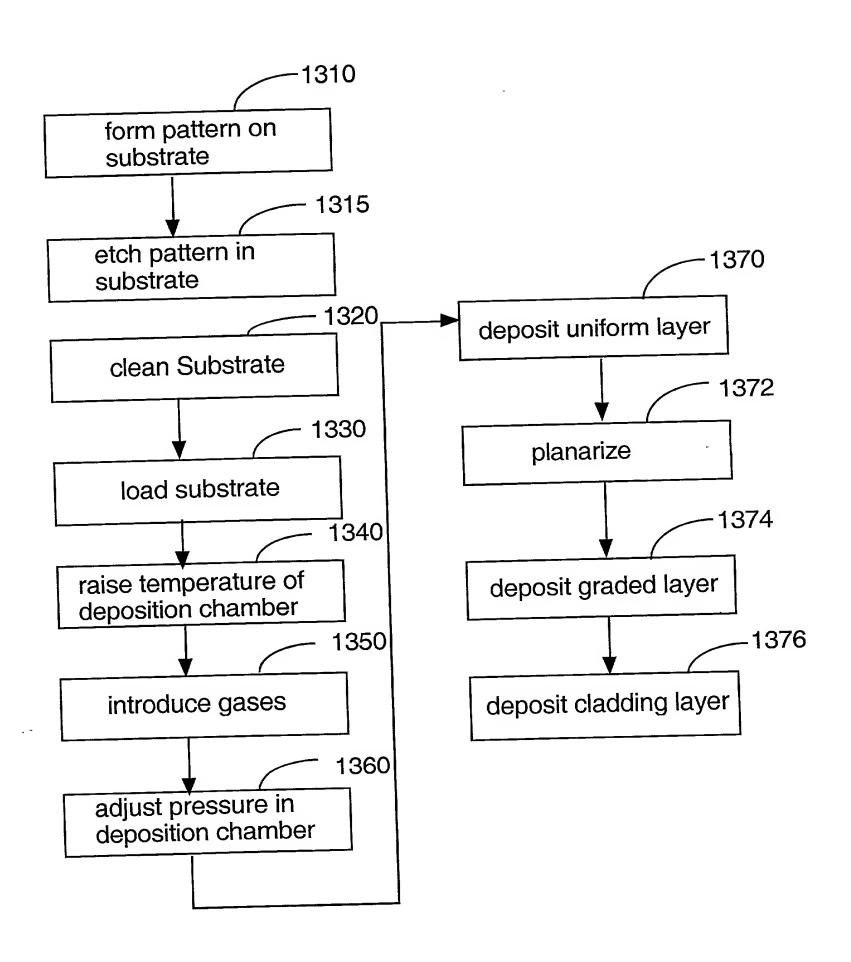


Figure 12

Figure 13